

Title (en)  
INTERFOLDER WITH PRE-FORMING TRANSFER ROLL

Title (de)  
INTERFALZMASCHINE MIT VORFORMENDER TRANSFERROLLE

Title (fr)  
PLIEUSE AVEC ROULEAU DE TRANSFERT DE FORMATION PREALABLE

Publication  
**EP 1948429 A4 20100331 (EN)**

Application  
**EP 06825668 A 20061010**

Priority

- US 2006039479 W 20061010
- US 24644305 A 20051007

Abstract (en)  
[origin: US2007082801A1] An interfolding apparatus including a knife roll, a first interfolding roll, a second interfolding roll, and a transfer roll. The knife roll cuts sheets from a stream of web material issuing from a source in a downstream direction. The first interfolding roll is positioned downstream of the knife roll and receives the sheets. The first interfolding roll rotates in a first direction and the second interfolding roll rotates in a second direction. The first and second interfolding rolls interfold the sheets with additional sheets received by the second interfolding roll. A transfer roll is positioned between the knife roll and the first interfolding roll. The transfer roll has a non-uniform surface configuration and rotates in the second direction and receives the sheets from the knife roll, forms a bend in each of the sheets, and transfers the formed sheets to the first interfolding roll.

IPC 8 full level  
**B31F 1/10** (2006.01)

CPC (source: EP US)  
**B65H 45/162** (2013.01 - EP); **B65H 45/24** (2013.01 - EP US)

Citation (search report)  
[XA] US 4917665 A 19900417 - COUTURIER DENNIS [US]

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